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Styrc et al.

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(54) **KIT WHICH IS INTENDED TO BE IMPLANTED IN A BLOOD VESSEL, AND ASSOCIATED TUBULAR ENDOPROSTHESIS**

(58) **Field of Classification Search**
USPC 623/1.24, 1.26, 2.1-2.19, 1.3, 1.31
See application file for complete search history.

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(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 1534 days.

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(57) **ABSTRACT**

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The invention relates to a kit including a tubular endoprosthesis having an inner surface delimiting a channel with a longitudinal axis. The kit includes a prosthetic valve designed to be implanted in the channel. The valve includes a supporting frame having an outer surface designed to be pressed against the inner surface, and a flexible cover connected to the frame. The inner surface has at least two segments with variable cross-section along the longitudinal axis. The segments form respectively a proximal stop and a distal stop to lock the axial displacement of the outer surface along the inner surface along two opposite directions.

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A61F 2/24 (2006.01)

7 Claims, 2 Drawing Sheets

(52) **U.S. Cl.**
CPC **A61F 2/2418** (2013.01); **A61F 2/24** (2013.01); **A61F 2/2412** (2013.01); **A61F 2/2475** (2013.01); **A61F 2210/0014** (2013.01); **A61F 2220/0025** (2013.01); **A61F 2250/006** (2013.01); **A61F 2250/0039** (2013.01); **A61F 2250/0098** (2013.01)

